

## CHAPTER 76

## ALUMINUM AND ARTICLES THEREOF

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76-1Note

1. In this chapter the following expressions have the meanings hereby assigned to them:

(a) Bars and rods

Rolled, extruded, drawn or forged products, not in coils, which have a uniform solid cross section along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons (including "flattened circles" and "modified rectangles", of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products with a rectangular (including square), triangular or polygonal cross section may have corners rounded along their whole length. The thickness of such products which have a rectangular (including "modified rectangular") cross section exceeds one-tenth of the width. The expression also covers cast or sintered products, of the same forms and dimensions, which have been subsequently worked after production (otherwise than by simple trimming or descaling), provided that they have not thereby assumed the character of articles or products of other headings.

(b) Profiles

Rolled, extruded, drawn, forged or formed products, coiled or not, of a uniform cross section along their whole length, which do not conform to any of the definitions of bars, rods, wire, plates, sheets, strip, foil, tubes or pipes. The expression also covers cast or sintered products, of the same forms, which have been subsequently worked after production (otherwise than by simple trimming or descaling), provided that they have not thereby assumed the character of articles or products of other headings.

(c) Wire

Rolled, extruded or drawn products, in coils, which have a uniform solid cross section along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons (including "flattened circles" and "modified rectangles", of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products with a rectangular (including square), triangular or polygonal cross section may have corners rounded along their whole length. The thickness of such products which have a rectangular (including "modified rectangular") cross section exceeds one-tenth of the width.

(d) Plates, sheets, strip and foil

Flat-surfaced products (other than the unwrought products of heading 7601), coiled or not, of solid rectangular (other than square) cross section with or without rounded corners (including "modified rectangles" of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel) of a uniform thickness, which are:

- of rectangular (including square) shape with a thickness not exceeding one-tenth of the width,
- of a shape other than rectangular or square, of any size, provided that they do not assume the character of articles or products of other headings.

Headings 7606 and 7607 apply, inter alia, to plates, sheets, strip and foil with patterns (for example, grooves, ribs, checkers, tears, buttons, lozenges) and to such products which have been perforated, corrugated, polished or coated, provided that they do not thereby assume the character of articles or products of other headings.

(e) Tubes and pipes

Hollow products, coiled or not, which have a uniform cross section with only one enclosed void along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons, and which have a uniform wall thickness. Products with a rectangular (including square), equilateral triangular or regular convex polygonal cross section, which may have corners rounded along their whole length, are also to be considered as tubes and pipes provided the inner and outer cross sections are concentric and have the same form and orientation. Tubes and pipes of the foregoing cross sections may be polished, coated, bent, threaded, drilled, waisted, expanded, cone-shaped or fitted with flanges, collars or rings.

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Subheading Notes

1. In this chapter the following expressions have the meanings hereby assigned to them:

(a) Aluminum, not alloyed

Metal containing by weight at least 99 percent of aluminum, provided that the content by weight of any other element does not exceed the limit specified in the following table:

TABLE - Other elements

| Element                              | Limiting content percent by weight |
|--------------------------------------|------------------------------------|
| Fe + Si (iron plus silicon)          | 1                                  |
| Other elements <sup>(1)</sup> , each | 0.1 <sup>(2)</sup>                 |

(1) Other elements are, for example, Cr, Cu, Mg, Mn, Ni, Zn.

(2) Copper is permitted in a proportion greater than 0.1 percent but not more than 0.2 percent, provided that neither the chromium nor manganese content exceeds 0.05 percent.

(b) Aluminum alloys

Metallic substances in which aluminum predominates by weight over each of the other elements, provided that:

- (i) The content by weight of at least one of the other elements or of iron plus silicon taken together is greater than the limit specified in the foregoing table; or
- (ii) The total content by weight of such other elements exceeds 1 percent.

2. Notwithstanding the provisions of chapter note 1(c), for the purposes of subheading 7616.91 the term "wire" applies only to products, whether or not in coils, of any cross-sectional shape, of which no cross-sectional dimension exceeds 6 mm.

Additional U.S. Note

1. For the purposes of heading 7608, the rate of duty "Free (C)" appearing in the "Special" subcolumn applies only to tubes and pipes with attached fittings, suitable for conducting gases or liquids.

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| Heading/<br>Subheading | Article Description   | Rates of Duty |                      |       |
|------------------------|---|---------------|----------------------|-------|
|                        |   | 1             |                      | 2     |
|                        |   | General       | Special              |       |
| 7601                   | Unwrought aluminum:   |               |                      |       |
| 7601.10.00             | Aluminum, not alloyed . . . . .                                       | Free          |                      | 11%   |
| 7601.20.00             | Aluminum alloys . . . . .   | Free          |                      | 10.5% |
| 7602.00.00             | Aluminum waste and scrap . . . . .                                    | Free          |                      | Free  |
| 7603                   | Aluminum powders and flakes:  |               |                      |       |
| 7603.10.00             | Powders of non-lamellar structure . . . . .                           | 5%            | Free (CA,E,IL,J, MX) | 45%   |
| 7603.20.00             | Powders of lamellar structure; flakes . . . . .                       | 3.9%          | Free (CA,E,IL,J, MX) | 11%   |
| 7604                   | Aluminum bars, rods and profiles:                                     |               |                      |       |
| 7604.10                | Of aluminum, not alloyed:   |               |                      |       |
| 7604.10.10             | Profiles . . . . .  | 5%            | Free (CA,E,IL,J, MX) | 45%   |
| 7604.10.60             | Bars and rods . . . . .   | 3%            | Free (CA,E,IL, J,MX) | 13.5% |
|                        | Of aluminum alloys:   |               |                      |       |
| 7604.21.00             | Hollow profiles . . . . .   | 1.5%          | Free (CA,E,IL, J,MX) | 15.5% |
| 7604.29                | Other:  |               |                      |       |
| 7604.29.10             | Other profiles . . . . .  | 5%            | Free (CA,E,IL,J, MX) | 45%   |
|                        | Bars and rods:  |               |                      |       |
| 7604.29.30             | Having a round cross section . . . . .                                | 2.6%          | Free (CA,E,IL, J,MX) | 11%   |
| 7604.29.50             | Other . . . . .   | 3%            | Free (CA,E,IL,J, MX) | 13.5% |
| 7605                   | Aluminum wire:  |               |                      |       |
|                        | Of aluminum, not alloyed:   |               |                      |       |
| 7605.11.00             | Of which the maximum cross-sectional dimension exceeds 7 mm . . . . . | 2.6%          | Free (CA,E,IL, J,MX) | 11%   |
| 7605.19.00             | Other . . . . .   | 4.2%          | Free (CA,E,IL,J, MX) | 25%   |
|                        | Of aluminum alloys:   |               |                      |       |
| 7605.21.00             | Of which the maximum cross-sectional dimension exceeds 7 mm . . . . . | 2.6%          | Free (CA,E,IL, J,MX) | 11%   |
| 7605.29.00 00          | Other . . . . . kg . . . . .  | 4.2%          | Free (CA,E,IL,J, MX) | 25%   |
| 7606                   | Aluminum plates, sheets and strip, of a thickness exceeding 0.2 mm:   |               |                      |       |
|                        | Rectangular (including square):                                       |               |                      |       |
| 7606.11.00             | Of aluminum, not alloyed . . . . .                                    | 3%            | Free (CA,E,IL,J, MX) | 13.5% |
| 7606.12                | Of aluminum alloys:   |               |                      |       |
| 7606.12.30             | Not clad . . . . .  | 3%            | Free (CA,E,IL,J, MX) | 13.5% |
| 7606.12.60             | Clad . . . . .  | 6.5%          | Free (CA,E,IL,J, MX) | 30%   |
|                        | Other:  |               |                      |       |
| 7606.91.00             | Of aluminum, not alloyed . . . . .                                    | 3%            | Free (CA,E,IL,J, MX) | 13.5% |
| 7606.92                | Of aluminum alloys:   |               |                      |       |
| 7606.92.30             | Not clad . . . . .  | 3%            | Free (CA,E,IL,J, MX) | 13.5% |
| 7606.92.60             | Clad . . . . .  | 6.5%          | Free (CA,E,IL,J, MX) | 30%   |

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| Heading/<br>Subheading | Article Description   | Rates of Duty |                          |       |
|------------------------|---|---------------|--------------------------|-------|
|                        |   | 1             |                          | 2     |
|                        |   | General       | Special                  |       |
| 7607                   | Aluminum foil (whether or not printed, or backed with paper, paperboard, plastics or similar backing materials) of a thickness (excluding any backing) not exceeding 0.2 mm:  |               |                          |       |
|                        | Not backed:   |               |                          |       |
| 7607.11                | Rolled but not further worked:  |               |                          |       |
|                        | Of a thickness not exceeding 0.15 mm:   |               |                          |       |
| 7607.11.30             | Of a thickness not exceeding 0.01 mm . . . . .  | 5.8%          | Free (CA,E,IL,J, MX)     | 40%   |
| 7607.11.60             | Of a thickness exceeding 0.01 mm . . . . .  | 5.3%          | Free (CA,E,IL,J, MX)     | 40%   |
| 7607.11.90             | Other . . . . .   | 3%            | Free (CA,E,IL,J, MX)     | 13.5% |
| 7607.19                | Other:  |               |                          |       |
| 7607.19.10             | Etched capacitor foil . . . . .   | 5.3%          | Free (CA,E,IL,J, MX)     | 40%   |
|                        | Other:  |               |                          |       |
| 7607.19.30             | Cut to shape, of a thickness not exceeding 0.15 mm . . . . .  | 5.7%          | Free (CA,E,IL,J, MX)     | 45%   |
| 7607.19.60             | Other . . . . .   | 3%            | Free (CA,E,IL,J, MX)     | 13.5% |
| 7607.20                | Backed:   |               |                          |       |
| 7607.20.10             | Covered or decorated with a character, design, fancy effect or pattern . . . . .  | 3.7%          | Free (CA,E,IL,J, MX)     | 22.5% |
| 7607.20.50             | Other . . . . .   | Free          |                          | 23%   |
| 7608                   | Aluminum tubes and pipes:   |               |                          |       |
| 7608.10.00             | Of aluminum, not alloyed . . . . .  | 5.7%          | Free (B,C,CA, E,IL,J,MX) | 45%   |
| 7608.20.00             | Of aluminum alloys . . . . .  | 5.7%          | Free (B,C,CA, E,IL,J,MX) | 45%   |
| 7609.00.00             | Aluminum tube or pipe fittings (for example, couplings, elbows, sleeves) . . . . .  | 5.7%          | Free (B,CA,E,IL, J,MX)   | 45%   |
| 7610                   | Aluminum structures (excluding prefabricated buildings of heading 9406) and parts of structures (for example, bridges and bridge-sections, towers, lattice masts, roofs, roofing frameworks, doors and windows and their frames and thresholds for doors, balustrades, pillars and columns); aluminum plates, rods, profiles, tubes and the like, prepared for use in structures: |               |                          |       |
| 7610.10.00             | Doors, windows and their frames and thresholds for doors . . . . .  | 5.7%          | Free (CA,E,IL,J, MX)     | 45%   |
| 7610.90.00             | Other . . . . .   | 5.7%          | Free (CA,E,IL,J, MX)     | 45%   |

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| Heading/<br>Subheading | Article Description  | Rates of Duty |                        |       |
|------------------------|--|---------------|------------------------|-------|
|                        |  | 1             |                        | 2     |
|                        |  | General       | Special                |       |
| 7611.00.00             | Aluminum reservoirs, tanks, vats and similar containers, for any material (other than compressed or liquefied gas), of a capacity exceeding 300 liters, whether or not lined or heat insulated, but not fitted with mechanical or thermal equipment . . . . .  | 2.6%          | Free (CA,E,IL,J, MX)   | 45%   |
| 7612                   | Aluminum casks, drums, cans, boxes and similar containers (including rigid or collapsible tubular containers), for any material (other than compressed or liquefied gas), of a capacity not exceeding 300 liters, whether or not lined or heat insulated, but not fitted with mechanical or thermal equipment: |               |                        |       |
| 7612.10.00             | Collapsible tubular containers . . . . .   | 2.4%          | Free (CA,E,IL,J, MX)   | 45%   |
| 7612.90                | Other:   |               |                        |       |
| 7612.90.10             | Of a capacity not exceeding 20 liters . . . . .  | 5.7%          | Free (CA,E,IL,J, MX)   | 45%   |
| 7612.90.50             | Other . . . . .  | Free          |                        | 25%   |
| 7613.00.00             | Aluminum containers for compressed or liquefied gas . . . . .  | 5%            | Free (CA,E,IL,J, MX)   | 25%   |
| 7614                   | Stranded wire, cables, plaited bands and the like, including slings and similar articles, of aluminum, not electrically insulated:   |               |                        |       |
| 7614.10.00             | With steel core . . . . .  | 4.9%          | Free (B,CA,E,IL, J,MX) | 35%   |
| 7614.90.00             | Other . . . . .  | 4.9%          | Free (B,CA,E, IL,J,MX) | 45%   |
| 7615                   | Table, kitchen or other household articles and parts thereof, of aluminum; pot scourers and scouring or polishing pads, gloves and the like, of aluminum; sanitary ware and parts thereof, of aluminum:  |               |                        |       |
|                        | Table, kitchen or other household articles and parts thereof; pot scourers and scouring or polishing pads, gloves and the like:  |               |                        |       |
| 7615.11.00             | Pot scourers and scouring or polishing pads, gloves and the like . . . . .   | 3.1%          | Free (CA,E,IL,J, MX)   | 45.5% |
| 7615.19.00             | Other . . . . .  | 3.1%          | Free (CA,E,IL, J,MX)   | 45.5% |
| 7615.20.00             | Sanitary ware and parts thereof . . . . .  | 3.8%          | Free (CA,E,IL,J, MX)   | 45.5% |
| 7616                   | Other articles of aluminum:  |               |                        |       |
| 7616.10.00             | Nails, tacks, staples (other than those of heading 8305), screws, bolts, nuts, screw hooks, rivets, cotters, cotter-pins, washers and similar articles . . . . .   | 4.7%          | Free (B,CA,E,IL, J,MX) | 45%   |
|                        | Other:   |               |                        |       |
| 7616.91.00 0           | Cloth, grill, netting and fencing, of aluminum wire . . . . .  | 2.5%          | Free (B,CA,E,IL, J,MX) | 45%   |
| 7616.99.00             | Other . . . . .  | 2.5%          | Free (B,CA,E,IL, J,MX) | 45%   |

**Tariff Simplification (Inv. 332-388)**

**Concordance and Change Record**  
(Changes Indicated with Bold Type)

**Chapter 76**

**Chapter Note Changes:**

**Add:**

**Delete:** Stat. Notes 1 and 2

| <b>1999 Tariff Line(s):</b> | <b>Proposed Tariff Line(s):</b> | <b>2004 Col. 1 Duty Rate:</b> | <b>Proposed Duty Rate:</b> |
|-----------------------------|---------------------------------|-------------------------------|----------------------------|
| 7601.10.30                  | <b>7601.10.00</b>               | 2.6%                          | <b>Free</b>                |
| 7601.10.60                  | <b>7601.10.00</b>               | Free                          | Free                       |
| 7601.20.30                  | <b>7601.20.00</b>               | 2.6%                          | <b>Free</b>                |
| 7601.20.60                  | <b>7601.20.00</b>               | 2.1%                          | <b>Free</b>                |
| 7601.20.90                  | <b>7601.20.00</b>               | Free                          | Free                       |
| 7602.00.00                  | 7602.00.00                      | Free                          | Free                       |
| 7603.10.00                  | 7603.10.00                      | 5%                            | 5%                         |
| 7603.20.00                  | 7603.20.00                      | 3.9%                          | 3.9%                       |
| 7604.10.10                  | 7604.10.10                      | 5%                            | 5%                         |
| 7604.10.30                  | <b>7604.10.60</b>               | 2.6%                          | <b>3%</b>                  |
| 7604.10.50                  | <b>7604.10.60</b>               | 3%                            | 3%                         |
| 7604.21.00                  | 7604.21.00                      | 1.5%                          | 1.5%                       |
| 7604.29.10                  | 7604.29.10                      | 5%                            | 5%                         |
| 7604.29.30                  | 7604.29.30                      | 2.6%                          | 2.6%                       |
| 7604.29.50                  | 7604.29.50                      | 3%                            | 3%                         |
| 7605.11.00                  | 7605.11.00                      | 2.6%                          | 2.6%                       |
| 7605.19.00                  | 7605.19.00                      | 4.2%                          | 4.2%                       |
| 7605.21.00                  | 7605.21.00                      | 2.6%                          | 2.6%                       |
| 7605.29.00                  | 7605.29.00                      | 4.2%                          | 4.2%                       |
| 7606.11.30                  | <b>7606.11.00</b>               | 3%                            | 3%                         |

| <b>1999 Tariff Line(s):</b> | <b>Proposed Tariff Line(s):</b> | <b>2004 Col. 1 Duty Rate:</b> | <b>Proposed Duty Rate:</b> |
|-----------------------------|---------------------------------|-------------------------------|----------------------------|
| 7606.11.60                  | <b>7606.11.00</b>               | 2.7%                          | <b>3%</b>                  |
| 7606.12.30                  | 7606.12.30                      | 3%                            | 3%                         |
| 7606.12.60                  | 7606.12.60                      | 6.5%                          | 6.5%                       |
| 7606.91.30                  | <b>7606.91.00</b>               | 3%                            | 3%                         |
| 7606.91.60                  | <b>7606.91.00</b>               | 2.7%                          | <b>3%</b>                  |
| 7606.92.30                  | 7606.92.30                      | 3%                            | 3%                         |
| 7606.92.60                  | 7606.92.60                      | 6.5%                          | 6.5%                       |
| 7607.11.30                  | 7607.11.30                      | 5.8%                          | 5.8%                       |
| 7607.11.60                  | 7607.11.60                      | 5.3%                          | 5.3%                       |
| 7607.11.90                  | 7607.11.90                      | 3%                            | 3%                         |
| 7607.19.10                  | 7607.19.10                      | 5.3%                          | 5.3%                       |
| 7607.19.30                  | 7607.19.30                      | 5.7%                          | 5.7%                       |
| 7607.19.60                  | 7607.19.60                      | 3%                            | 3%                         |
| 7607.20.10                  | 7607.20.10                      | 3.7%                          | 3.7%                       |
| 7607.20.50                  | 7607.20.50                      | Free                          | Free                       |
| 7608.10.00                  | 7608.10.00                      | 5.7%                          | 5.7%                       |
| 7608.20.00                  | 7608.20.00                      | 5.7%                          | 5.7%                       |
| 7609.00.00                  | 7609.00.00                      | 5.7%                          | 5.7%                       |
| 7610.10.00                  | 7610.10.00                      | 5.7%                          | 5.7%                       |
| 7610.90.00                  | 7610.90.00                      | 5.7%                          | 5.7%                       |
| 7611.00.00                  | 7611.00.00                      | 2.6%                          | 2.6%                       |
| 7612.10.00                  | 7612.10.00                      | 2.4%                          | 2.4%                       |
| 7612.90.10                  | 7612.90.10                      | 5.7%                          | 5.7%                       |
| 7612.90.50                  | 7612.90.50                      | Free                          | Free                       |

| 1999 Tariff Line(s): | Proposed Tariff Line(s): | 2004 Col. 1 Duty Rate: | Proposed Duty Rate: |
|----------------------|--------------------------|------------------------|---------------------|
| 7613.00.00           | 7613.00.00               | 5%                     | 5%                  |
| 7614.10.10           | <b>7614.10.00</b>        | 4.9%                   | 4.9%                |
| 7614.10.50           | <b>7614.10.00</b>        | 4.9%                   | 4.9%                |
| 7614.90.20           | <b>7614.90.00</b>        | 4.9%                   | 4.9%                |
| 7614.90.40           | <b>7614.90.00</b>        | 4.9%                   | 4.9%                |
| 7614.90.50           | <b>7614.90.00</b>        | 5.7%                   | <b>4.9%</b>         |
| 7615.11.00           | 7615.11.00               | 3.1%                   | 3.1%                |
| 7615.19.10           | <b>7615.19.00</b>        | 3.1%                   | 3.1%                |
| 7615.19.30           | <b>7615.19.00</b>        | 3.1%                   | 3.1%                |
| 7615.19.50           | <b>7615.19.00</b>        | 3.1%                   | 3.1%                |
| 7615.19.70           | <b>7615.19.00</b>        | 3.1%                   | 3.1%                |
| 7615.19.90           | <b>7615.19.00</b>        | 3.1%                   | 3.1%                |
| 7615.20.00           | 7615.20.00               | 3.8%                   | 3.8%                |
| 7616.10.10           | <b>7616.10.00</b>        | 5.7%                   | <b>4.7%</b>         |
| 7616.10.30           | <b>7616.10.00</b>        | 4.7%                   | 4.7%                |
| 7616.10.50           | <b>7616.10.00</b>        | 5.7%                   | <b>4.7%</b>         |
| 7616.10.70           | <b>7616.10.00</b>        | 5.5%                   | <b>4.7%</b>         |
| 7616.10.90           | <b>7616.10.00</b>        | 6%                     | <b>4.7%</b>         |
| 7616.91.00           | 7616.91.00               | 2.5%                   | 2.5%                |
| 7616.99.10           | <b>7616.99.00</b>        | Free                   | <b>2.5%</b>         |
| 7616.99.50           | <b>7616.99.00</b>        | 2.5%                   | 2.5%                |